CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

SECRET/CONTROL - U.S. OFFICIALS ONLY
SECURITY INFORMATION

COUNTRY	East Germany	REPORT	25X1
SUBJECT	Russian Exploitation of East German Electrical Development in 1952	DATE DISTR.	14 April 1953
		NO. OF PAGES	7
DATE OF INFO.		REQUIREMENT NO.	RD 25X1
PLACE ACQUIRED		REFERENCES	

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE. THE APPRAISAL OF CONTENT IS TENTATIVE. (FOR KEY SEE REVERSE) 25X1

Note: NTB-1=GEM=NTB for Heavy and Light Electric Motors. Berlin-Oberschoeneweide, Wilhelminenhof-Strasse 83-85.

NTB-2=NTB for small motors, Dresden-Dobritz, Breitscheid-Strasse 76 -78.

NTB-3=WIBG=NTB for the construction of high frequency apparatus, Berlin O 112, Neue Bahnhof-Strasse 9-11.

NTB-4=EFEM=NTB for Electrical Measuring Instruments, Berlin Oberschoeneweide, Wilhelminenhof-Strasse 76-77.

SAG Kabel Serial No.	NTB responsible	USSR Customer		Task	Extent of task completion date of task or of those parts of it ready in 1952. (Condensed translations only) 25X1
1	2	3		5	6
1	NTB-1	MEP /Min. of Electric Industry/		Asynchronous motor series 100 to 1,000 KW.	5 samples, workshop drawings, etc. Fourth Quarter, 195

25 YEAR RE-REVIEW

SECRET/CONTROL - U.S. OFFICIALS ONLY

STATE	x	ARMY	x	NAVY	x	AIR	x	FBI		AEC		OSI By	x		

(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

1	2	3	5	6
2	NTB-1 and NTB-2	MEP	Asynchronous motor series -.6 to 100 KW; electrical and mechanical modifications. (Further specifications in original).	Experimental model, drawings, etc. Second quarter 1952.
3	NTB-2	MEP	Building of electric motors dimensions (Gabarit) 3,4, and 5, with coated end-plates (sic).	18 models by Second quarter 1952. Drawings, etc.
4	NTB-2	MEP	Series of small electric meters 5 to 400 W.	3 models of each type. Fourth quarter 1952. Drawings, etc.
5	VEB formerly Koch und Sterzel. /i.e. VEM Transformatoren and Roentgenwerk Dresden/	MEP	AC test instrument for 1200 KV.	One experimental model. Second quarte 1953. Drawings, etc.
6	NTB-4	VM /War Ministry/	Laboratory phase meter for 350 to 450 cycles.	5 models, Fourth quarter, 1952 Drawings, etc.
7	NTB-4	VM	Laboratory frequency meter for 300 to 800 cycles or 300 to 450, 450 to 600 and 600-800 cycles.	Development report drawings and 3 samples of each. Fourth quarter, 195
8	NTB-4	VM	Laboratory ammeter with transformer class 0.5, for 300 to 600 cycles.	30 experimental models, drawings etc., Fourth quarte 1952.
9	NTB-4	VM	Laboratory voltmeter class 0.5 for 300 to 600 cycles.	20 experimental models, drawings etc., Fourth quart 1952.
10	NTB-4	VM	Laboratpry watt-meter, class 0.5 for 300 to 600 cycles, with trans-former.	15 experimental models, drawing etc., Fourth quarte 1952.
11	NTB-4	VM	Development of a stable conducting layer for variable wireless resistances.	Research and prepa ration of sample layers. Fourth quarter, 1952.
12	NTB-4	VM	Set of thermo-electric instruments and screening brass housing, about 50 x 50 x 30 mm.	2 sets of samples, report etc. Fourth quarter, 1952.

1	2	3	5	6
13	NTB-4	MEP	Vector meters.	3 experimental models drawings, etc. Fourth quarter, 1952.
14	NTB-4	AN /Academy of Science	Development and production of experimental samples of DC amplifiers with feed blocks.	4 samples etc. Fourth quarter, 1952.
15	NTB-4	VMF /Ministry for the Navy/	Development and production of a frequency meter.	Sample and drawings, etc. Fourth quarter, 1952.
16	NTB-4	VMF	Development of HF wattmeters for short wave.	Sample, drawings, etc Fourth quarter, 1952.
17	NTB-4	MSP /Ministry of ship-building/	Development of a power meter.	5 samples, drawings, etc. Fourth quarter, 1952.
18	NTB-4	VMF	Development and production of a kilovoltmeter.	2 experimental samples, drawings, etc. Fourth quarter, 1952.
19	NTB-4	VM	Frequency meter of increased accuracy.	Report, 2 samples. Fourth quarter, 1952.
20	NTB-4	VM	Development of methods and apparatus for the measurement of loss in ferromagnetic materials in a range of up to 10 mcs.	Report. Sample. Fourth quarter, 1952.
21	NTB-4	MATP /Min. of Auto and Tractor Industry/	Permeameter for determination of the magnetization curve in DC.	Report, sample and drawings. Fourth quarter, 1952.
22	NTB-4	MATP	Development of a hard-magnetic isotropic cobalt-free alloy.	Technical report and sample. Fourth quarter, 1952. 25X1
23	NTB-4	MATP	Development of a showing variation of resistance with variation of temperature.	Report and sample. Fourth quarter, 1953
24	NTB-4	MATP	Development and production of internal milliammeters.	Report and sample. Fourth quarter, 1952
25	NTB-2	MEP	Development of a semi-automatic device for winding stators of asynchronous motors size 5.	Report, 8 samples, drawing. Second quarter, 1953.

1	2	3	5	6
26	(1)	VVS /Military Air Force/	Trainer for visual and blind landing (Trenazher Vizualnoy I Slepoy Posadki),	Production of 2 samples and 2 sets of drawings, Fourth quarter, 1952,
27	NTB-3	Ministry VMS /possibly VMF, Navy/	Development and production of a deep-sounding device (Echolot), with recorder and visual indicator,	Production of a sample. Laboratory test. Assembly of documents on it. September 1952.
28	NTB-3	Min. VMS	Development of a sextant with an electric hydroscope with an accuracy of attitude measurement, in vibration, of ± 1.5	Production of a sample. Preparation of documents, in duplicate. June 1952, secs.
29	NTB-3	MSKhM /Min. of Agric. Mach. Constr./	Large vibrating apparatus for testing - /illegible/ from 30 to 100 kg.	Drawings, one sample, test, documents. Fourth quarter, 1952.
30	NTB-3	MATP	Investigation of the causes of noise in bearings and means of eliminating it.	Sample /sic/ Documents September 1952.
31	NTB-3	MS /Min. of Communications/	Development of an apparatus for control of the quality of the work of radio broadcasting stations,	Sample and documents in duplicate. September 1952.
32	NTB-3	VM	Development of the construction of a harmonic analyser similar to the types of mechanical analysers.	One laboratory sample and two sets of documents. November 1952.
33	NTB-3	Hydro-Meteorlogical Service of the USSR	Development of the construction, and production of, a narrow-sector atmosphere direction-finder (Peilengator).	One laboratory sample and two sets of documents. September 1952
34	NTB-3	VM	Development of the construction, and production of, a registering device for atmospheric spectra.	One laboratory sample one experimental model and 2 sets of documents. September 1952.
35	NTB-3	VM3	Development of the construction of, and production of, 4 unilateral cathodes for radio-goniometers.	4 laboratory samples 1 experimental model 2 sets of documents. November 1952.

1	2	3	5	6
36	NTB-3	VM	Development of a panorama ionospheric registering device, with photoregistration.	1 laboratory sample. 1 experimental model. 2 sets of documents. Second quarter, 1953.
37	NTB-3	VM	Development of a measuring instrument for radio wave absorption in the ionosphere.	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.
38	NTB-3	VM	Development of an instrument for measuring atmospheric interference	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.
39	NTB-3	VM	Development and production of: a) DC amplifier b) Stabilized feed blocks for amplifiers. c) Resistance blocks d) Decimal (Dekadnykh) blocks.	1 laboratory sample. 1 experimental model. 2 sets of documents. September 1952.
40	NTB-3	VM	Development and production of a comparator for measuring the potential of the vertical and horizontal components of an electric-magnetic field.	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.
41	NTB-3	VM	Eight-fold automatic (optical) recorder.	1 laboratory sample. 1 experimental model 2 sets of documents. November 1952.
42	NTB-3	VM	HF power meter for the whole range 50 to 3330 mcs. (6 to 9 m.)	1 experimental model 1 laboratory sample. 2 sets of documents. Second quarter, 1953
43	NTB-3	VM	Spectral analyser for HF vibrations in the range 50 to 3330 mcs. (9 cms. to 6 m.)	1 laboratory sample. 1 experimental model 2 sets of documents. Second quarter, 1953
44	NTB-3	VM	High-speed instrument for recording modulated HF vibrations in the range 100 to 300 mcs.	1 laboratory sample. 1 experimental model 2 sets of documents. September 1952.
45	NTB-3	VM	Development and production of an amplitude meter of high sensitivity.	1 laboratory sample. 1 experimental model 2 sets of documents November 1952.

25X1

1	2	3		5	6
46	NTB-3	VM		Development and production of a vibro-stand.	1 laboratory sample 1 experimental model, 2 sets of documents July 1952.
47	NTB-3	VM		Development and production of an electro-cardiograph for recording the physical activities of a human.	1 laboratory sample 1 experimental model. 2 sets of documents November 1952.
48	NTB-3			Development and production of an electro-encephalograph for the recording of brain currents.	1 laboratory sample 1 experimental model, 2 sets of documents November 1952.
49	NTB-3	VM		Development and production of an electro-hygrograph.	1 laboratory sample 1 experimental model. 2 sets of documents June 1952.
50	NTB-3	VM		Development and production of an instrument for registering the physiological functions of the human organism under conditions of physical activity.	1 laboratory sample 1 experimental model, 2 sets of documents November 1952.
51	NTB-3	VM		Production of a special electric stand for the production of inductive and inductive-free charges.	1 laboratory sample. 1 experimental model, 2 sets of documents, September 1952.
52	NTB-3	VM		Tuning fork transmitter of electrical impulses.	1 laboratory sample. 1 experimental model. 2 sets of documents. July 1952
53	NTB-3	VM		Pressure producer for altering the pressures of liquids or gases in a variable electric current.	1 laboratory sample. 28 experimental models. 2 sets of documents. July 1952.
54	NTB-3	VM		Vibrating instrument for 20 to 300 cycles with 7.5 overload.	1 laboratory sample. 1 experimental model. 2 sets of documents. September 1952.
55	NTB-3	VM		Instrument for holding the vertical in flight.	1 laboratory sample. 1 experimental model. 2 sets of documents. September 1952.
56	NTB-3	VM		Production of an apparatus for determination of the distance of the under surface of clouds from the ground.	1 laboratory sample. 1 experimental model. 2 sets of documents. Second quarter, 1953.

1	2	3	5	6
57	NTB-3	Hydro-meterol-ogical service of the USSR	Absolute electro-magnetic theodolite (variation of the earth's magnetic component).	1 laboratory sampl 1 experimental model. 2 sets of document November 1952.
58	NTB-3	- "	Development of a unilateral radio-goniometer for atmospheric disturbance.	1 laboratory sampl 1 experimental model 2 sets of document November 1952.
59	NTB-3	VM	Development and production of a vibratory recorder with transmitter of small dimensions and weight.	1 laboratory sampl 1 experimental model. 2 sets of document November 1952.
60	NTB-3	Hydro-meterol-ogical service of the USSR	Production of a quartz for a spectrograph for spot magnetic field determination.	1 laboratory sampl 1 experimental model. 2 sets of document June 1952.

25X1